

The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK
GOVERNOR

TIMOTHY P. MURRAY
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD
SECRETARY

JOHN AUERBACH
COMMISSIONER

12/21/2011

Patrick Heffernan
Assistant District Attorney, Suffolk County

Dear ADA Heffernan,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED]. Included are copies of the following:

1. Curriculum Vitae for Annie Dookhan and Della Saunders.
2. Drug Analysis Laboratory Receipt.
3. Control Cards with analytical results for samples # [REDACTED]
4. Analysis sheets with custodial chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for samples # [REDACTED]

Annie Dookhan was the custodial chemist and performed the preliminary testing and net weight for this sample. Della Saunders analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

A handwritten signature in black ink, appearing to read "Annie Dookhan".

Annie Dookhan
Chemist
Drug Analysis Lab
Jamaica Plain, MA. 02130
(617) 983-6622

Curriculum Vitae

Annie Khan (Dookhan)

Education:

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.

University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

Experience:

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

- *Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.
- *Writing, revising and reviewing Standard Operating Procedures (SOPs) and Protocols.
- *Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.
- *Oversee the Quality Control/Quality Assurance program for the Drug Lab.
- *Maintenance and repairs of all analytical instruments.
- *Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.
- *Qualified as an expert witness in Massachusetts Courts and U.S. District Court.
- *Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.
- *Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.
- *Notary Public.

2001 – 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

- *Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department for the Food and Drug Administration.
- *Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.
- *Writing, revising and reviewing Standard Operating Procedures (SOPs).
- *Trained and supervised new chemists and interns for the department.
- *Routine QC testing of products for the FDA.
- *Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.
- *Calibration, preventive maintenance, QC and QA of analytical instrumentation.
- *Complete testing of chemicals for Vendor Validation Project for the FDA.
- *Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

Additional Training:

Dept. of Justice – Forensics Professionals. (numerous trainings)
GLP/GMP training with Massachusetts Biologic Laboratory.
QC/QA training according to FDA Codes and Regulations.
GC and GC/MS trainings with Agilent Technologies and Restek.
HPLC and LC/MS/MS trainings with Waters Cooperation.
FTIR training with Spectros.
TOC training with MBL and Sievers.

Association:

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

Curriculum Vitae

Della Saunders

Education:

Boston University Boston, MA. Bachelors of Arts in Chemistry 1982

Experience:

1985-present: Currently Chemist III Massachusetts Department of Public Health Drug Analysis Laboratory at State Laboratory Institute Boston, MA. Responsible for analyzing unknown substances submitted by Massachusetts law enforcement agencies; operating, maintaining, and interpreting data from analytical equipment (analytical balance, microscope, gas chromatogram, ultraviolet spectrometer, infrared spectrometer, gas chromatogram/mass spectrometer); training junior level chemists; providing expert testimony to local, state, and federal courts in the Commonwealth of Massachusetts.

1984-1985: Laboratory Technician in the Media Laboratory at State Laboratory Institute Boston, MA. Responsible for making chemical reagents and media plates; operating and maintaining laboratory equipment (autoclave, pH meter, ultra-violet hood), and collecting safety data for laboratory protocols.

Training:

1985: Six week training with Senior Staff at Massachusetts Department of Public Health (MDPH) Drug Analysis Laboratory Boston, MA. Appointed Assistant Analyst MDPH

1987: One week training course in drug analysis given by the Federal Drug Enforcement Agency (DEA) McLean, VA.

1992: Training in Gas Chromatograph/Mass Spectroscopy (GC/MS) Hewlett Packard (Agilent)

1996: Training in Fourier Transform Infra-Red Spectroscopy ETA (Analect)

2001: Expert Witness Workshop National Laboratory Training network Quality Assurance/Quality Control Training (MDPH)

2002: Techniques of Supervision Training (MDPH)

1999: Notary Public Commonwealth of Massachusetts



DESTRUCTION # _____

Name & Rank of Arresting Officer Det. Ross ID# 11358

To be completed by ECU personnel only

ECU Control #

No. [REDACTED]
City: Boston D.C.U. Police Dept.
Officer: P.O. CRAIG SMALLS
Def: [REDACTED]

Date Analyzed: MAR 21 2011

Amount:

Subst: SUB

No. Cont: 1 Cont: pb

Date Rec'd: 12/24/2010

No. Analyzed:

Gross Wt.: 1.89

Net Weight: 0.32

Tests: 6AD

12/28

Prelim: cocaine

Findings: cocaine

SAMPLE # _____ AGENCY Boston ANALYST AJN

Evidence Wt.

Gross Wt (): 0.3974

Gross Wt (): _____

Pkg. Wt:

Net Wt: 0.3249

Spot Tests

Cobalt
Thiocyanate (λ)

Marquis —

Froehde's

Mecke's

Microcrystalline Tests

Gold
Chloride $\frac{1}{2}$

TLTA (4)

OTHER TESTS

GC/MS CONFIRMATORY TEST

RESULTS 10 camp

DATE 3-16-11

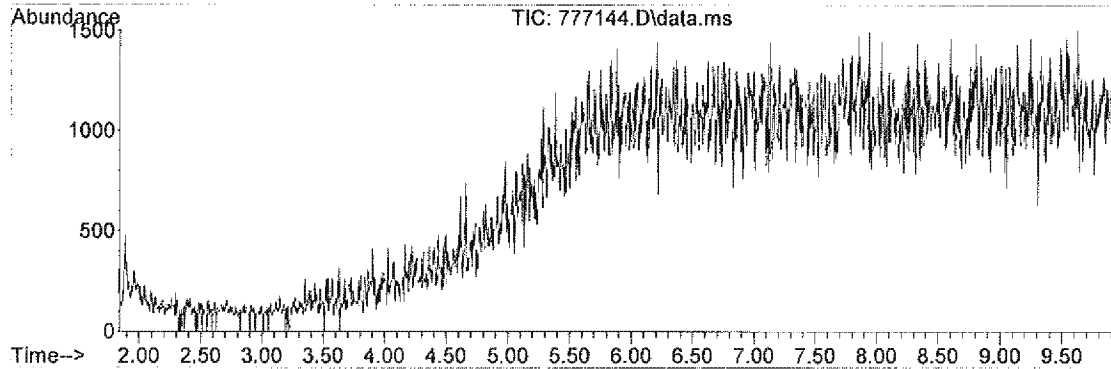
RESULTS Cocaine

MS
OPERATOR DCS

DATE 3-21-11

Information from Data File:

File Name : F:\Q1-2011\System4\03_17_11\777144.D
Operator : DCS
Date Acquired : 17 Mar 2011 19:05
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE



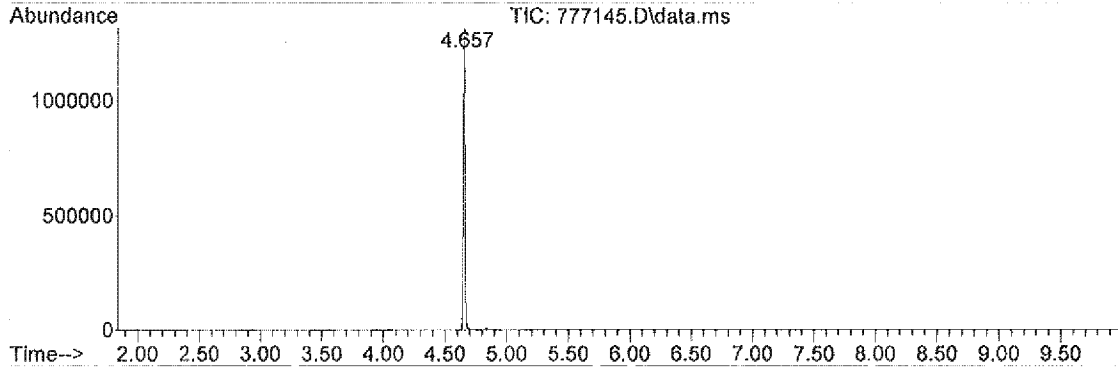
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

✓ 12/13/11 JES

Information from Data File:

File Name : F:\Q1-2011\System4\03_17_11\777145.D
Operator : DCS
Date Acquired : 17 Mar 2011 19:18
Sample Name : COCAINE STANDARD
Submitted by :
Vial Number : 45
AcquisitionMeth: DRUGS
Integrator : RTE



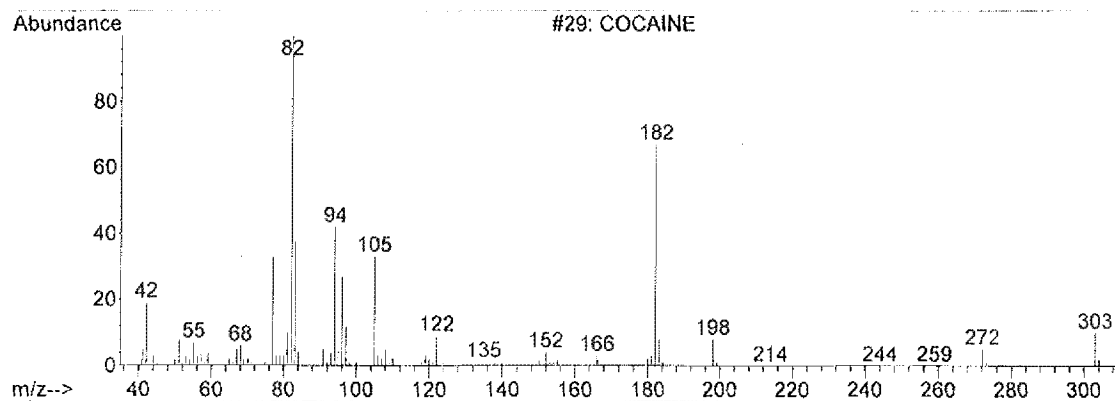
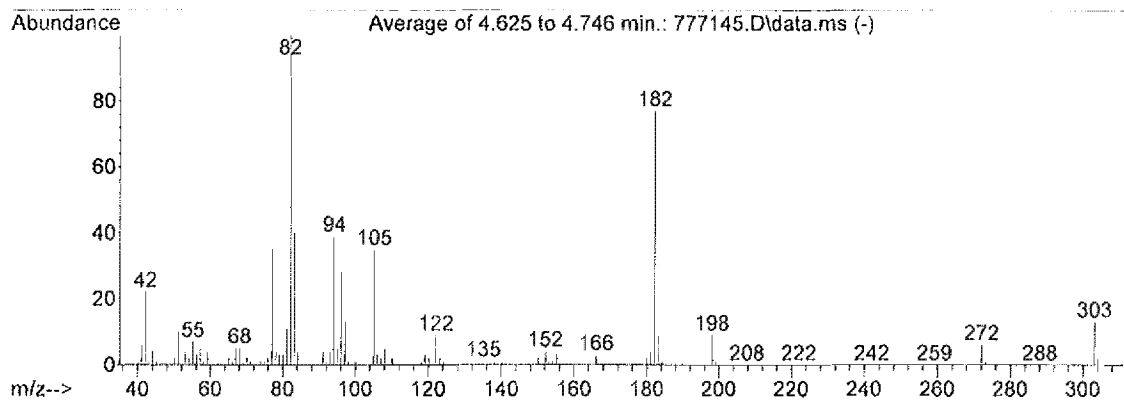
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4.657	1269556	100.00	100.00

Information from Data File:

File Name : F:\Q1-2011\System4\03_17_11\777145.D
Operator : DCS
Date Acquired : 17 Mar 2011 19:18
Sample Name : COCAINE STANDARD
Submitted by :
Vial Number : 45
AcquisitionMeth: DRUGS
Integrator : RTE

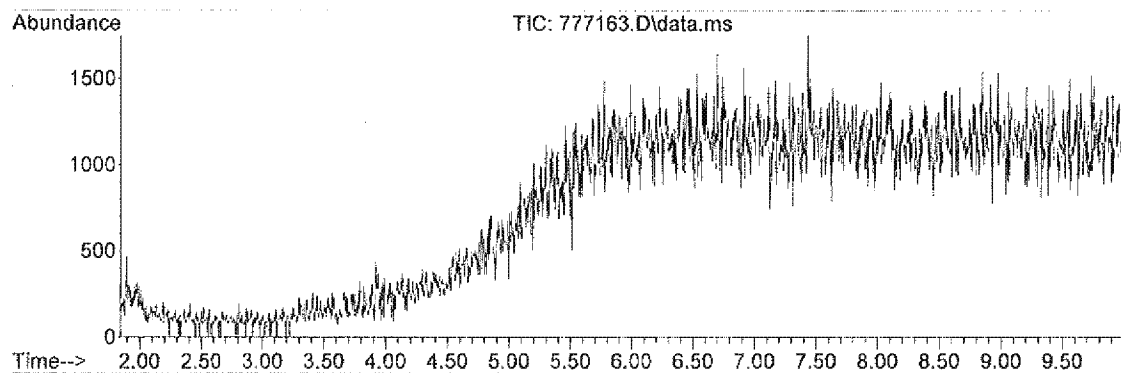
Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	4.66	C:\Database\SLI.L COCAINE	000050-36-2	99



Information from Data File:

File Name : F:\Q1-2011\System4\03_17_11\777163.D
Operator : DCS
Date Acquired : 17 Mar 2011 23:24
Sample Name : BLANK
Submitted by : ASD
Vial Number : 2
AcquisitionMeth: DRUGS
Integrator : RTE

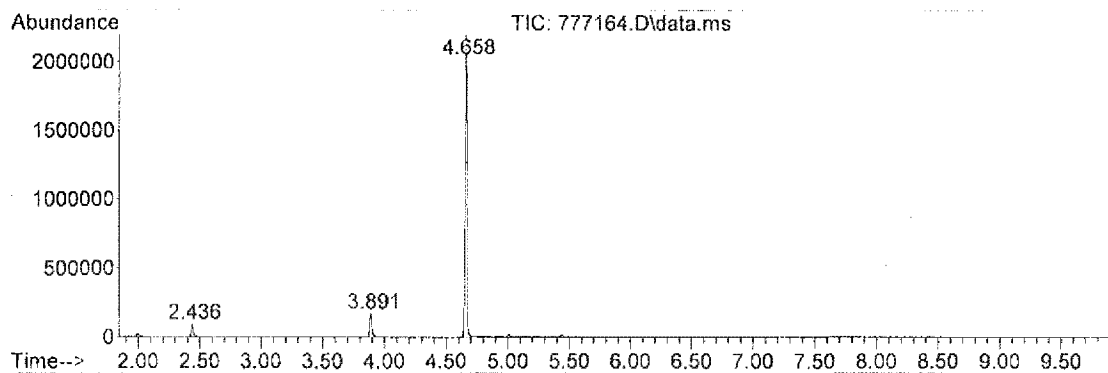


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Information from Data File:

File Name : F:\Q1-2011\System4\03_17_11\777164.D
Operator : DCS
Date Acquired : 17 Mar 2011 23:38
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 64
AcquisitionMeth: DRUGS
Integrator : RTE



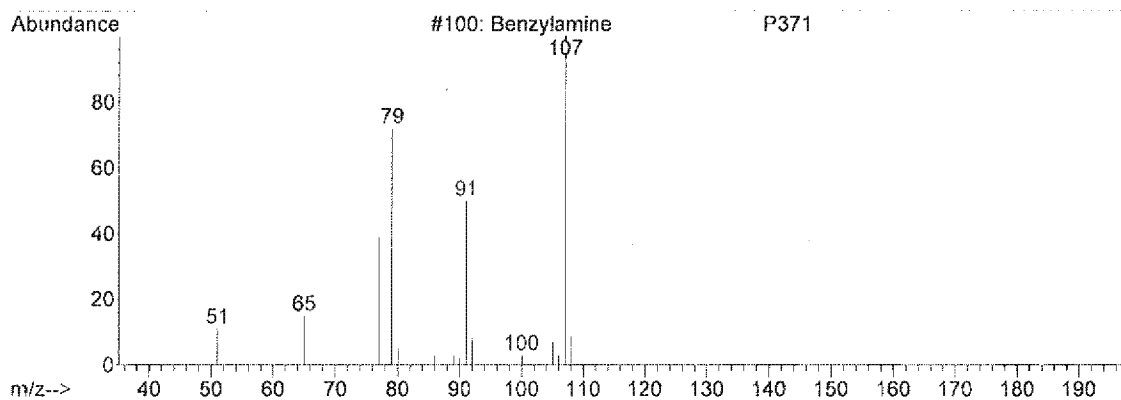
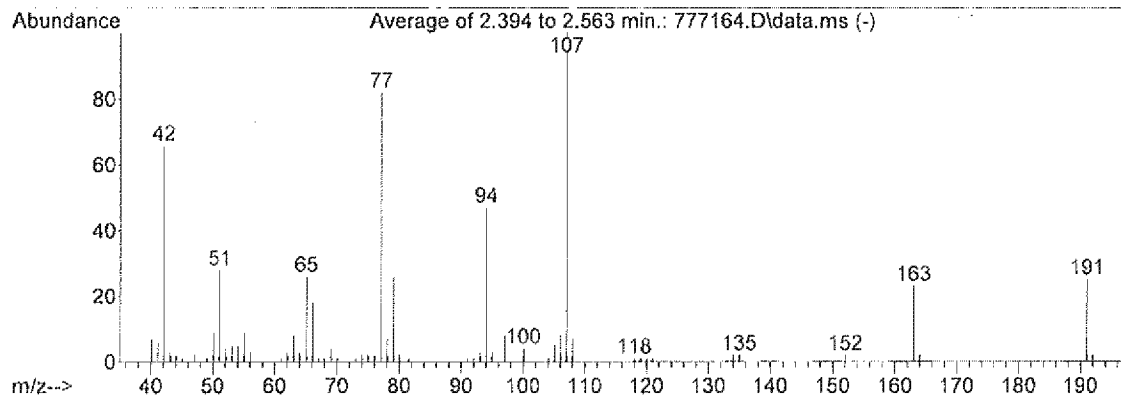
Ret. Time	Area	Area %	Ratio %
2.436	109144	4.29	4.88
3.891	198860	7.82	8.90
4.658	2234934	87.89	100.00

Information from Data File:

File Name : F:\Q1-2011\System4\03_17_11\777164.D
Operator : DCS
Date Acquired : 17 Mar 2011 23:38
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 64
AcquisitionMeth: DRUGS
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	2.44	C:\Database\PMW_TOX2.L		
		Benzylamine	000100-46-9	9
		p-Toluidine AC	000103-89-9	9
		4-Hydroxyphenylacetic acid	@ 000156-38-7	4

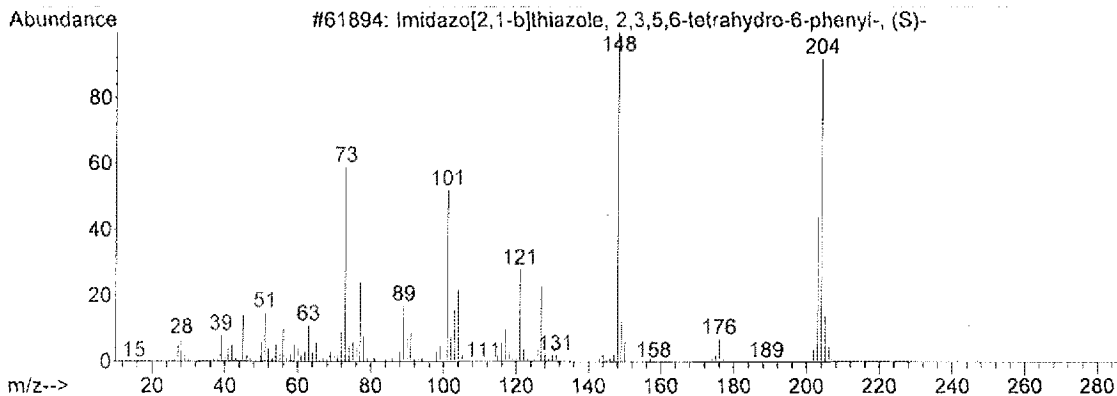
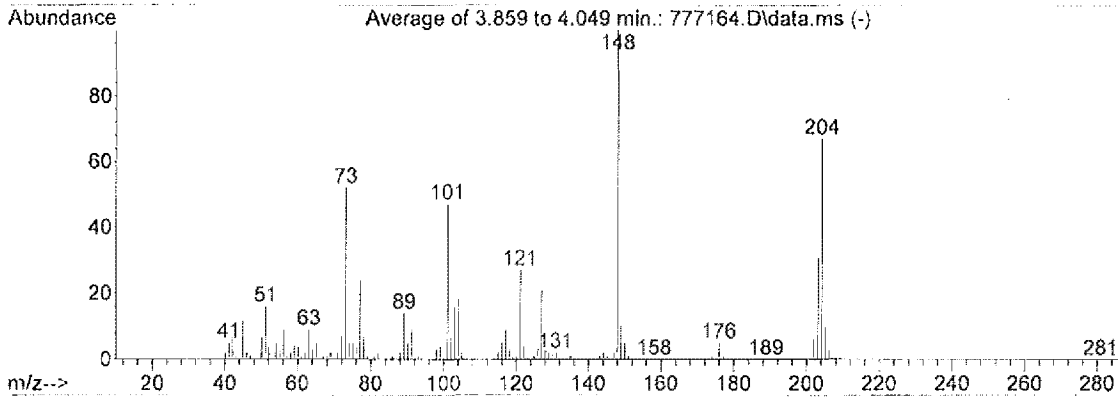


Information from Data File:

File Name : F:\Q1-2011\System4\03_17_11\777164.D
Operator : DCS
Date Acquired : 17 Mar 2011 23:38
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 64
AcquisitionMeth: DRUGS
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
2	3.89	C:\Database\NIST08.L		
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	014769-73-4	99
		Levamisole	006649-23-6	99
		Levamisole	006649-23-6	98

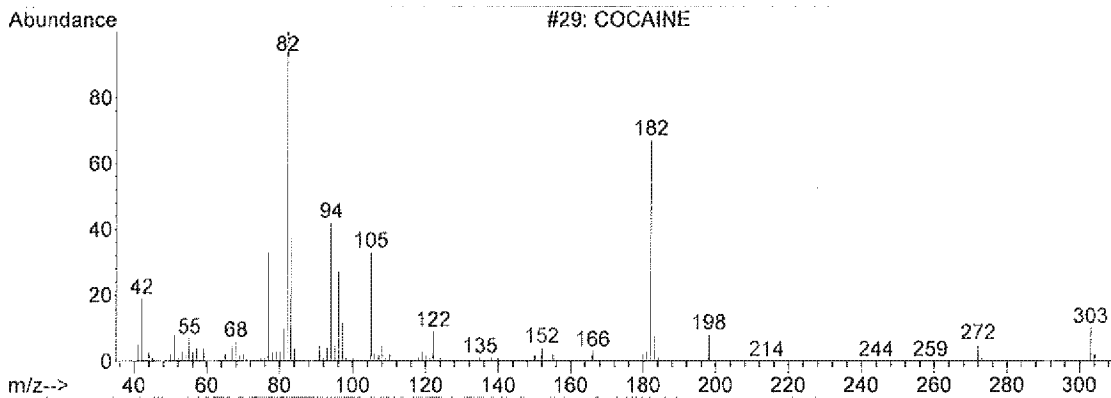
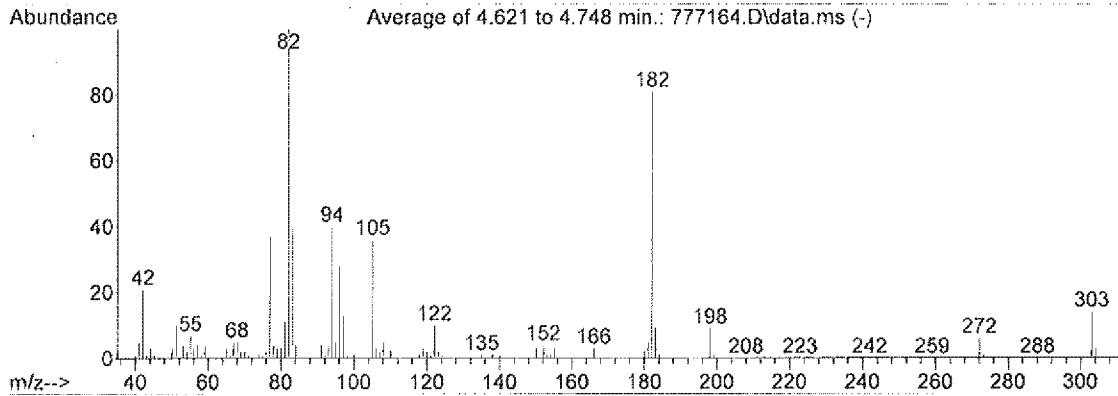


Information from Data File:

File Name : F:\Q1-2011\System4\03_17_11\777164.D
Operator : DCS
Date Acquired : 17 Mar 2011 23:38
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 64
AcquisitionMeth: DRUGS
Integrator : RTE

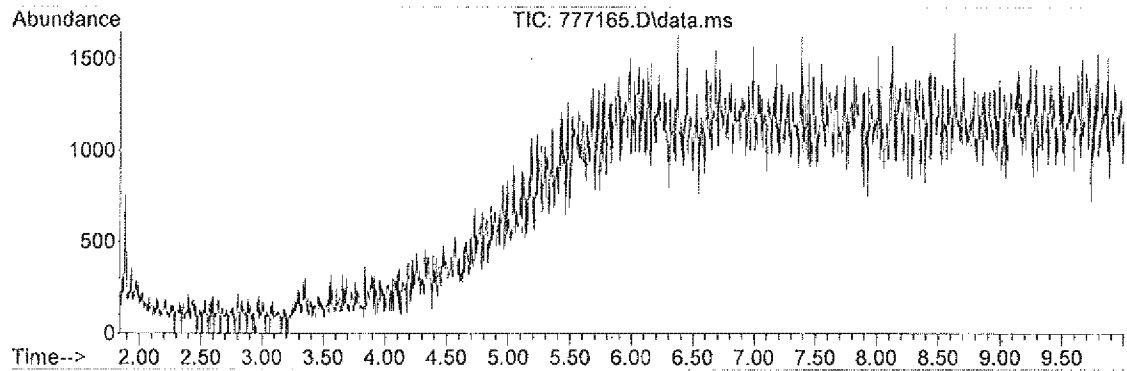
Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
3	4.66	C:\Database\SLI.L COCAINE	000050-36-2	99



Information from Data File:

File Name : F:\Q1-2011\System4\03_17_11\777165.D
Operator : DCS
Date Acquired : 17 Mar 2011 23:52
Sample Name : BLANK
Submitted by :
Vial Number : 2
AcquisitionMeth: DRUGS
Integrator : RTE

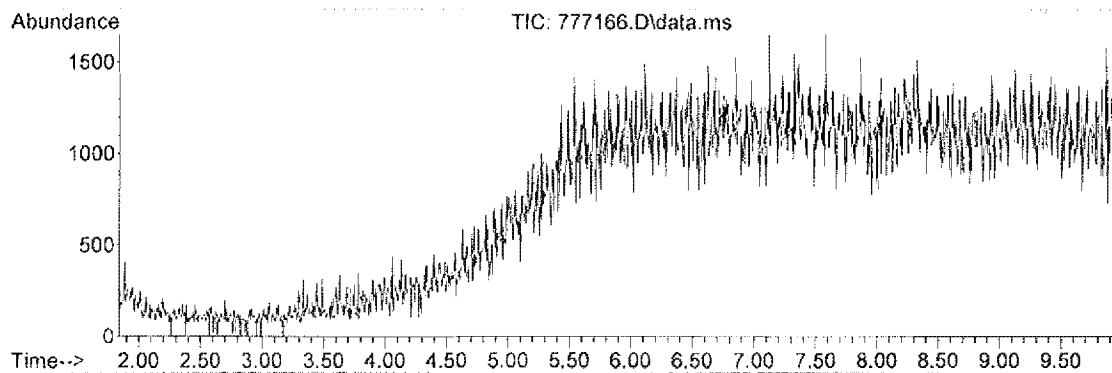


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Information from Data File:

File Name : F:\Q1-2011\System4\03_17_11\777166.D
Operator : DCS
Date Acquired : 18 Mar 2011 00:06
Sample Name : BLANK
Submitted by :
Vial Number : 2
AcquisitionMeth: DRUGS
Integrator : RTE

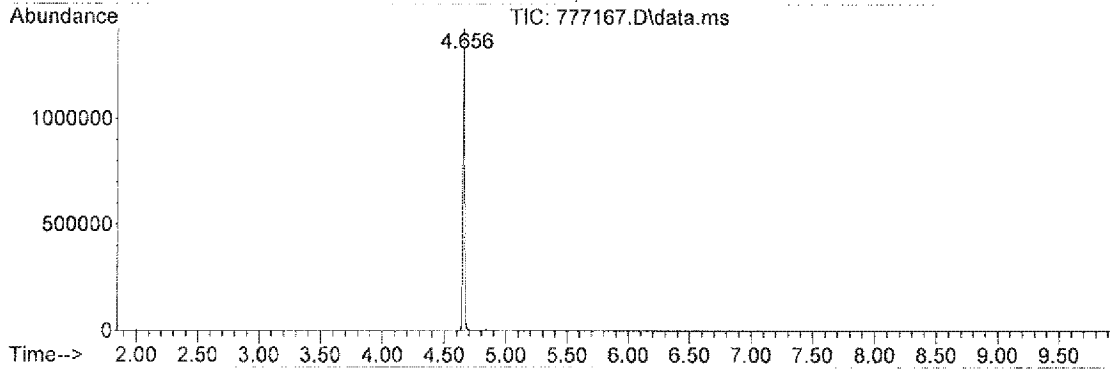


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Information from Data File:

File Name : F:\Q1-2011\System4\03_17_11\777167.D
 Operator : DCS
 Date Acquired : 18 Mar 2011 00:19
 Sample Name : COCAINE STANDARD
 Submitted by :
 Vial Number : 67
 AcquisitionMeth: DRUGS
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
4.656	1273445	100.00	100.00

Information from Data File:

File Name : F:\Q1-2011\System4\03_17_11\777167.D
Operator : DCS
Date Acquired : 18 Mar 2011 00:19
Sample Name : COCAINE STANDARD
Submitted by :
Vial Number : 67
AcquisitionMeth: DRUGS
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	4.66	C:\Database\SLI.L COCAINE	000050-36-2	99

